

```

      1          10          20          30          40          50          59
      |          |          |          |          |          |          |
FcγRIIa  AAPPKAVLKLEP[P]WINVLQEDSVTLTC[Q]GARSPESDSIQWFHNGNLIPTHTQPSYRFKAN
FcγRIIb  AAPPKAVLKLEP[Q]WINVLQEDSVTLTC[R]GTHSPESDSIQWFHNGNLIPTHTQPSYRFKAN
*****
      60          70          80          90          100         110         119
      |          |          |          |          |          |          |
FcγRIIa  NNDSGEYTCQTGQTSLSDPVHLTVLSEWLVLQTPHLEFQGEETIM[MLRCHSWKDKPLVKVT
FcγRIIb  NNDSGEYTCQTGQTSLSDPVHLTVLSEWLVLQTPHLEFQGEETIV[IVLRCHSWKDKPLVKVT
*****
     120         130         140         150         160         170
     |          |          |          |          |          |
FcγRIIa  FFQNGKS[Q]KFSR[L]DPT[TF]SIPQANHSHSGDYHCTGNIGYTL[F]SSKPVTITVQ[V]P
FcγRIIb  FFQNGKS[K]KFSR[S]DPN[TF]SIPQANHSHSGDYHCTGNIGYTL[Y]SSKPVTITVQ[A]P
*****

```

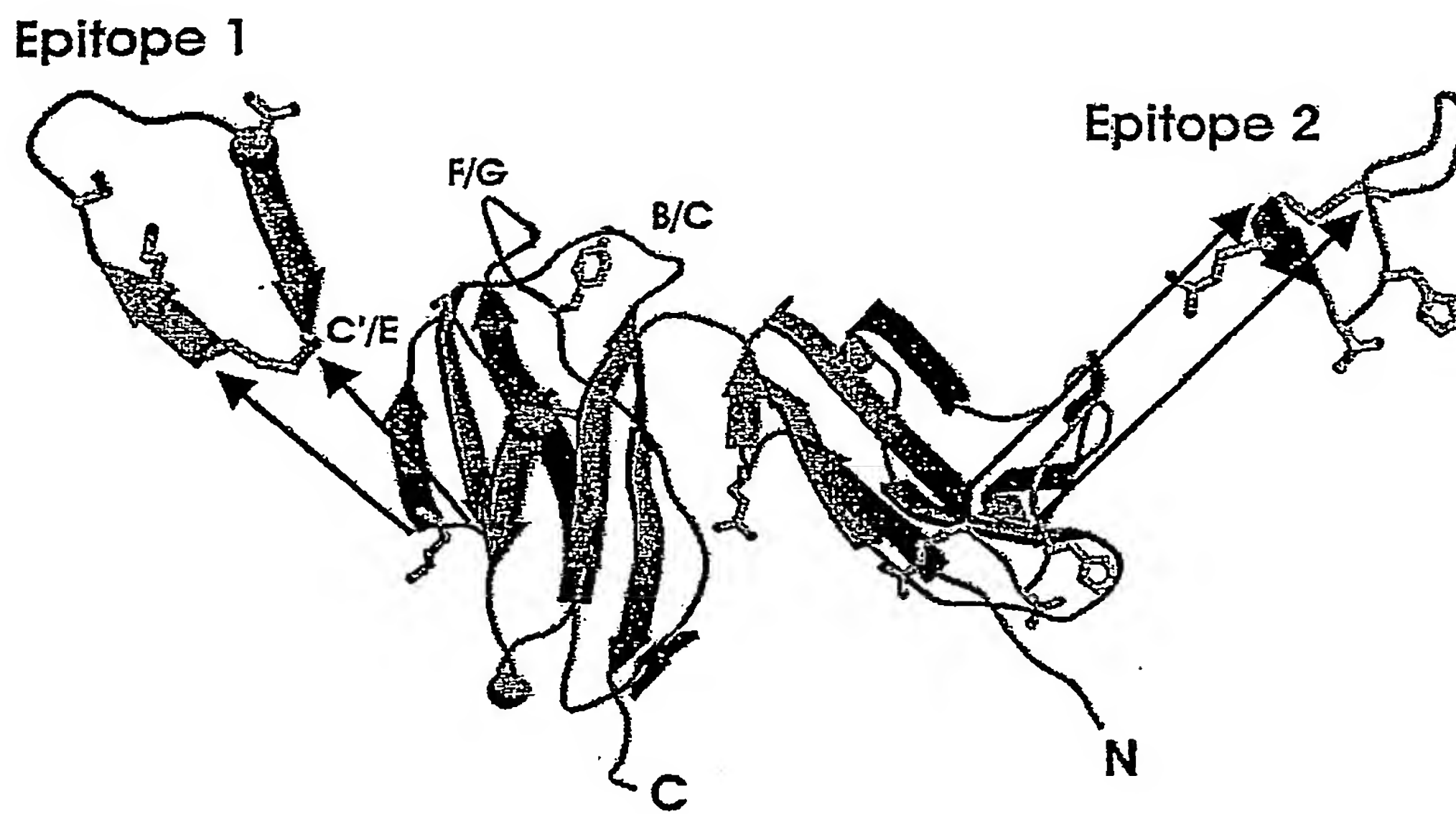
Figure 2:

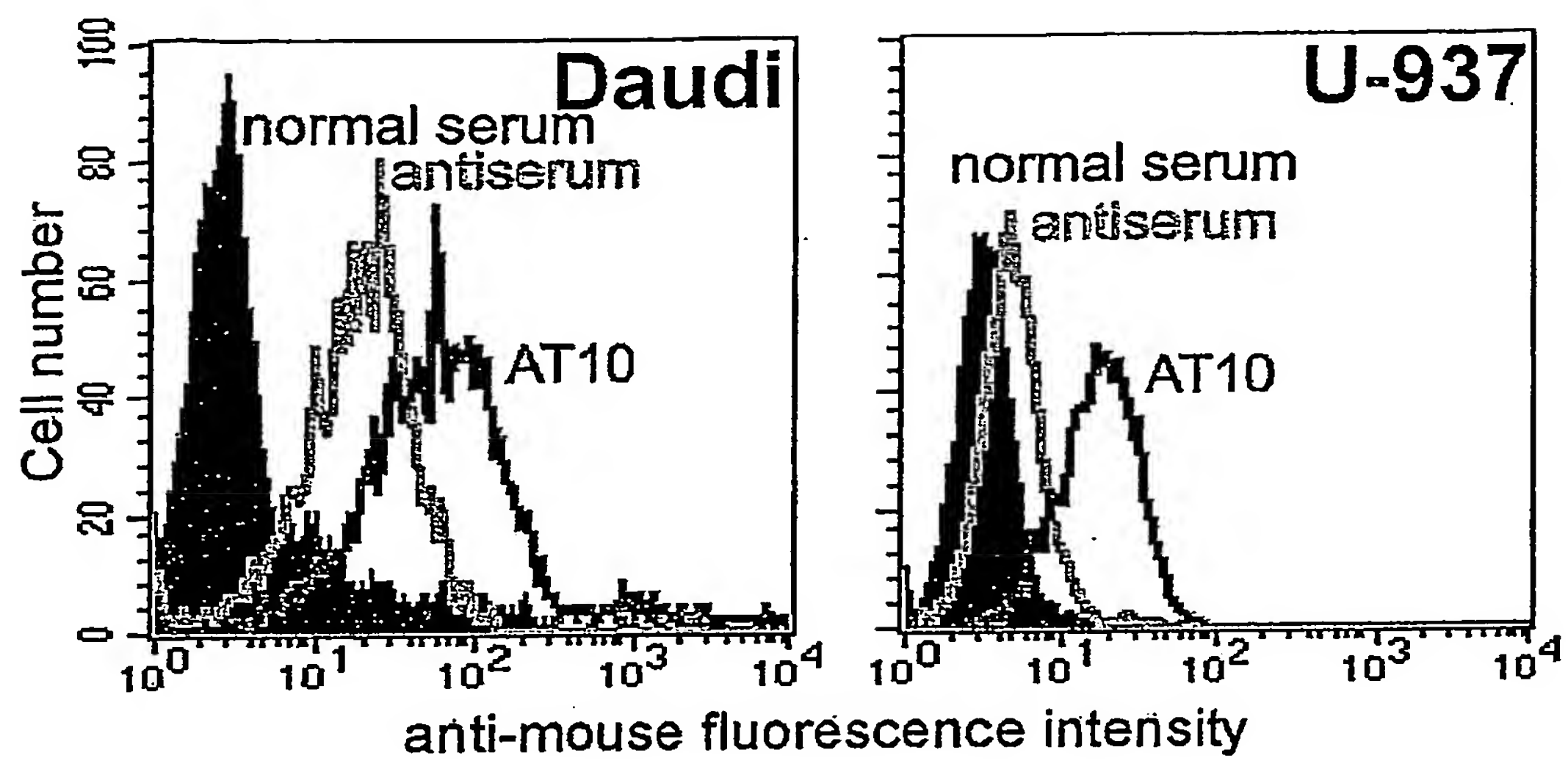
Figure 3:

Figure 4:

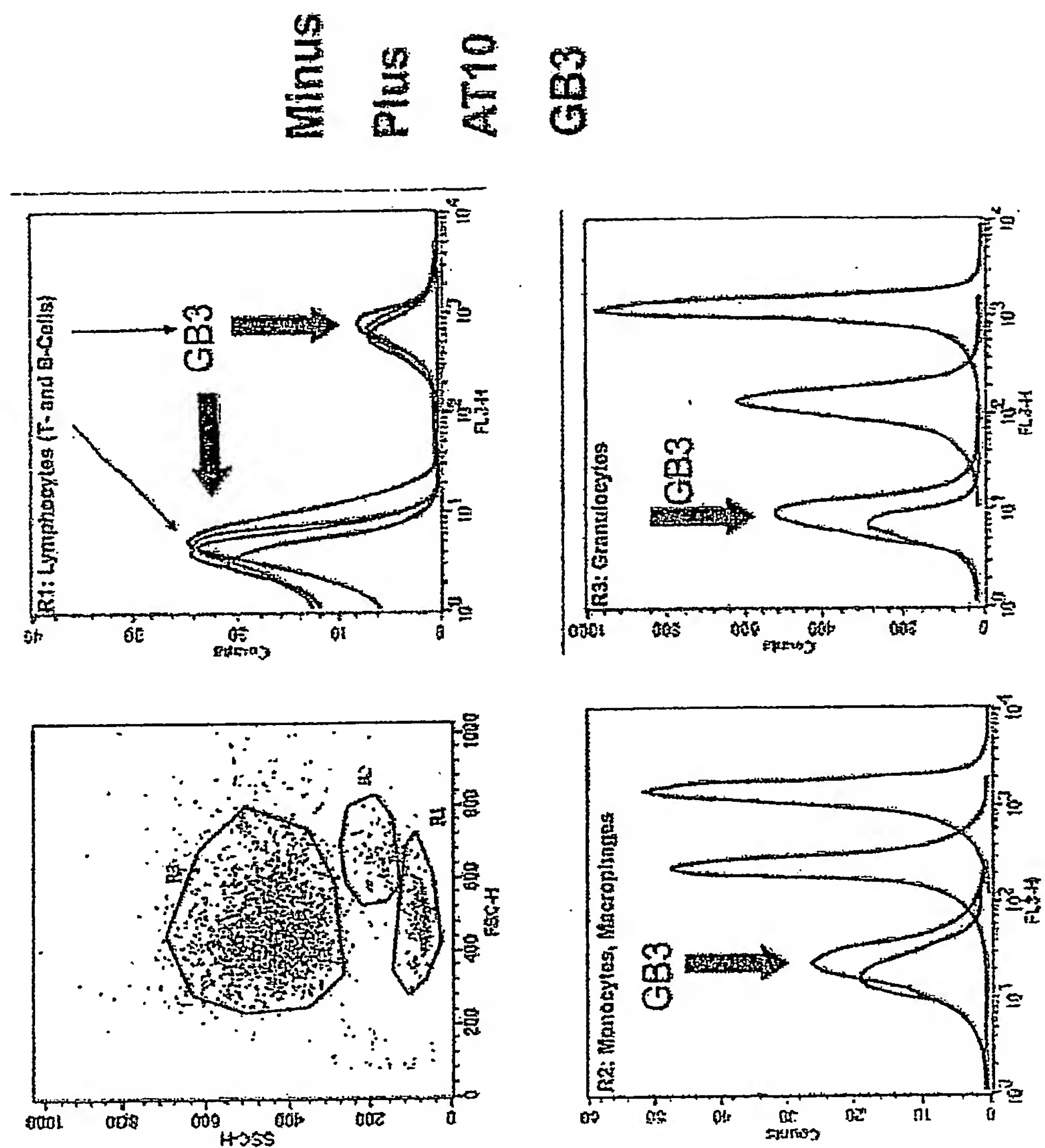


Figure 5:**a) Variable light region of mAb GB3**

agaattcagctgacccagctctccatcctccttatctgcctctctgggagaaagagtcagt
 R I Q L T Q S P S S L S A S L G E R V S

ctcacttgtcgggcaagtcaggaaattagtggttacttaagctggccttcagcagaaacca
 L T C R A S Q E I S G Y L S W L Q Q K P
 CDR1

gatggaactattaacgcctgatctacgccacatccgcttttagattctgggtgtcccaaaa
 D G T I K R L I Y A T S A L D S G V P K
 CDR2

aggttcagtggtcagtggttctgggtcaaattattctctcaccatcagcagccttgagtcct
 R F S G S G S G S N Y S L T I S S L E S

gaagattttgcagactattactgtctacaatatgctaattatccgtacacggttcggaggg
 E D F A D Y Y C L Q Y A N Y P Y T F G G
 CDR3

gggaccaagctg
 G T K L

b) Variable heavy region of mAb GB3

gtgcagctgcagcagctctggacctgagctggtgaagcctggggcttcagtggaagatttcc
 V Q L Q Q S G P E L V K P G A S V K I S

tgcaaggcttctggctacaccttcactgactactatatatactgggtgaaacagtggcct
 C K A S G Y T F T D Y Y I Y W V K Q W P
 CDR1

ggacagggacttgagtggtattggaaggatttttcctggaactggtaatacttactacaat
 G Q G L E W I G W I F P G T G N T Y Y N
 CDR2

gaaaacttcaaggacaaggccacacttactatagatagatcctccagcacagcctacatg
 E N F K D K A T L T I D R S S S T A Y M
 CDR2 (contd.)

ttgctcggcagcctgacctctgaggactctgcggtctattttctgttatgggtccgtttgct
 L L G S L T S E D S A V Y F C Y G P F A
 CDR3

tactggggccaa
 Y W G Q
 CDR3

Figure 6:**Variable heavy region of mAb CE5:**

tgcaggagtcaggacctggcctggtggcgccctcacagagcctgtccatcacatgcaccgtct
L Q E S G P G L V A P S Q S L S I T C T V

cagggttctcattaaccggctatggtgtaaactgggttcgccagcctccaggaaagggctctgg
S G F S L T G Y G V N W V R Q P P G K G L

CDR1

agtggctgggaatgatttgggggtgatggaaacacagactataattcagctctcaaattccagac
E . W L G M I W G D G N T D Y N S A L K S R

CDR2

tgagcatcagcaaggacaactccaagagccaagttttcttaaaaatgaacagtctgcacactg
L S I S K D N S K S Q V F L K M N S L H T

atgacacagccaggtactactgtgccagagagagagattataggcttgactactggggccaag
D D T A R Y Y C A R E R D Y R L D Y W G Q

CDR3

ggaccacggtcaccgtctcctcag
G T T V T V S S

Variable light region of mAb CE5:

gagctcacccagctctccagcctcccttttctgcgtctgtgggagaaactgtcaccatcacatgt
E L T Q S P A S L S A S V G E T V T I T C

cgagcaagtgggaatattcacaattatttagcatggtatcagcagaaacagggaaaatctcct
R A S G N I H N Y L A W Y Q Q K Q G K S P

CDR1

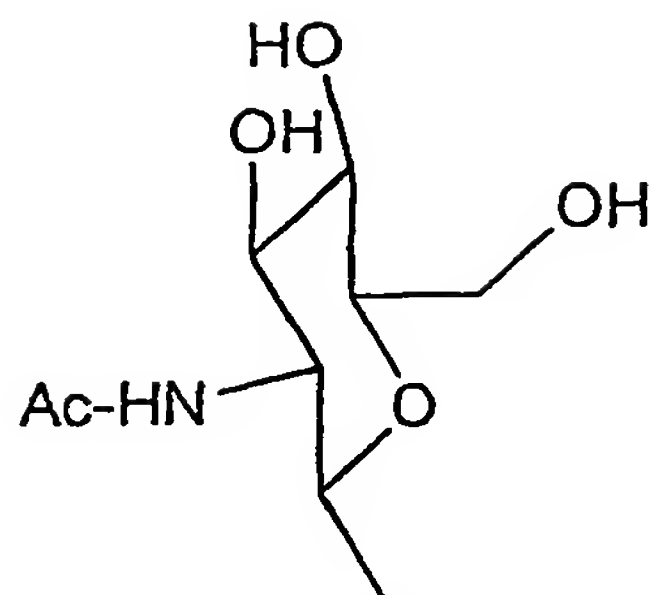
cagctcctggtctattatacaacaaccttagcagatggtgtgccatcaagggttcagtggcagt
Q L L V Y Y T T T L A D G V P S R F S G S

CDR2

ggatcaggaacacaatatctctcaagatcaacagcctgcaacctgaagattttgggagttat
G S G T Q Y S L K I N S L Q P E D F G S Y

tactgtcaacatttttggagtactcctcggacgttcgggtggagggaccaagctcgag
Y C Q H F W S T P R T F G G G T K L E

CDR3

Figure 7:

-Ser-Lys-Lys-Phe-Ser-Arg-Ser-Asp-Pro-Asn-Phe-Ser-Gly-

Figure 8:

